

InterPore2024

Monday, 13 May 2024

MS13: 1.1 (11:25 - 12:25)

time	[id] title	presenter
11:25	[149] Anomalous phase transition behavior of dilute electrolyte solutions in nanoconfinement under cryogenic environment	Mr WANG, Shaoheng
11:40	[921] Effect of partial saturation on acoustic properties of nano-porous media	GUREVICH, Boris
11:55	[230] Slip correction theory and transient solution of the pressure oscillation method	ZHANG, Mingbao
12:10	[792] Nanoporosity controls on the carbon storage and mineralization potential of basalts: insights from hydrothermal alteration at Newberry Volcano	KELLY, Shaina

MS13: 1.2 (13:25 - 14:55)

time	[id] title	presenter
13:25	[261] Pore aperture regulated surface adsorption and mass transfer of hydrocarbon and CO ₂ in organic nanopores	ZHANG, mingshan
13:40	[861] Molecular Simulation of Competitive Adsorption of H ₂ S-Containing CO ₂ and CH ₄ in Organic and Inorganic Shale Nanopores	CUI, Jingkai
13:55	[68] Microscopic mechanism of CO ₂ huff-n-puff promoting shale oil mobilization in organic/inorganic nanopores	SONG, Huaisen
14:10	[222] Investigation of Fluid Flow Mechanism Considering Multi-Component Fluids, Nanopore Roughness, and Nanopore Flexibility	Dr LI, Tianhao
14:25	[65] Molecular dynamics investigation of water-gas two phase flow in rough clay nanopores	BI, Ying
14:40	[1062] Smart Water Flooding: Experimental study and Molecular Simulation	LIU, Nannan

MS13: 1.3 (17:00 - 18:00)

time	[id] title	presenter
17:00	[309] Wetting behaviors and oil occurrence status of shale reservoirs	Dr ZHANG, Tao
17:15	[905] Experimental study of gas flow and relative permeability in low-porosity media using LF-NMR	Dr MUKHAMETDINOVA, Aliya
17:30	[424] A comprehensive study on shale pyrolysis dynamics by real-time in-situ imaging technology	YIN, Xia
17:45	[105] Occurrence characteristics and quantitative evaluation of micro-nano pore shale oil: A case study of Lianggaoshan Formation shale strata in northeast Sichuan, China	BAI, Xuefeng

Tuesday, 14 May 2024

MS13: 2.1 (10:55 - 11:55)

time	[id] title	presenter
10:55	[465] Bound water transport by diffusion in wood-revealed by Nuclear Magnetic Resonance	Ms YAN, Luoyi
11:10	[936] Coarse-grained modeling of fluid transport in swelling porous media	WU, Jian
11:25	[643] Confinement-guided self-assembly of ionic superdiscs	Mr LI, Zhuoqing
11:40	[836] Fractal nanopore structure of anthracite and CO ₂ adsorption-induced alteration: A synchrotron radiation SAXS study	Prof. ZHAO, Yixin

MS13: 2.2 (12:00 - 13:00)

time	[id] title	presenter
12:00	[714] Quantifying oil- and water-wettable pore networks of the lacustrine- and marine-sourced shale oil reservoirs	Mr ZHANG, Cunjian
12:15	[1010] Theory of electrolyte solutions in a slit charged pore: Effects of structural interactions and specific adsorption of ions	MAZUR, Daria
12:30	[1017] Using fractal theory to study the influence of movable oil on the pore structure of different types of shale: A case study of the Fengcheng Formation shale in Well X of Mahu Sag, Junggar Basin, China	Ms ZHANG, Hong

MS13: 2.3 (14:00 - 15:30)

time	[id] title	presenter
14:00	[741] Multicomponent alkanes transport through nanoporous shale matrix	WANG, Sen
14:15	[678] A Modified Simplified Local-Density Model for Gas Adsorption Considering Cylindrical Pore Structures	Dr SHI, Jialin
14:30	[363] Multicomponent image-based modeling of water flow in mixed wet shale nanopores	QIN, Xiangjie
14:45	[694] Multiscale modeling of ion transport in water saturated nanostructures of clays	Dr YANG, Yuankai
15:00	[29] A Multi-Scale Approach for Assessing Shale Oil Accessibility: Digital Core, Molecular Simulation and Machine Learning Analysis	Mr YIN, Yifan
15:15	[775] Water effect on oil adsorption and configuration in nano mineral pore	Dr JIANG, Hang

Wednesday, 15 May 2024

MS13: 3.1 (10:55 - 11:55)

time	[id] title	presenter
10:55	[1052] Molecular simulations of Cavitation Bubbles dynamics	FU, Yuequn
11:10	[252] Coupled mass and heat transfer model in porous media under high Knudsen number	XIONG, Shalong
11:25	[327] Modelling the Effect of Porewall Heterogeneity on the Phase Equilibria of Fluids in Shale Nanopores	DONG, Xiaohu
11:40	[211] Calculation of CO ₂ -oil minimum miscibility pressure for tight reservoirs considering adsorption effect	WANG, Zengding